

AF scientific, inc.

Clean Water Through Innovative Technology

MicroT100 Laboratory Turbidimeter



- Auto Ranging 0 - 1000 NTU
- Auto Alert Calibration Prompt
- Simple Calibration Procedures
- Quick Connect Lamps

Designed to provide the accuracy demanded by today's scientist, the MicroT100 Laboratory Turbidimeter is ready to meet the challenge. Features such as the Auto Alert Calibration Prompt and the Quick Connection Lamp Module, allow for simple calibration and low maintenance. With a resolution of 0.01 NTU at low turbidity readings and an extended range to 1,000 NTU, the MicroT100 is an ideal and affordable tool for research as well as routine analytical measurements.

Micro 100 Laboratory Turbidimeter

Specifications

Range:	Auto Ranging from 0 - 1000 NTU
Measurement Principle:	Nephelometric non-ratio
Accuracy:	± 2% of reading plus 0.01 NTU whichever is greater
Resolution:	0.01 NTU (0 - 9.99 NTU) 0.1 NTU (10 - 99.9 NTU) 1 NTU (100 - 1000 NTU)
Response Time:	≤ 6 seconds
Sample Size:	30 ml (27ml minimum)
Light Source:	Quick Connect Tungsten Filament or Infrared
Operating Temperature:	32° - 122°F (0° - 50°C)
Outputs:	RS-232 Printer Port
Dimensions:	10.75 x 10 x 3.75 in. (27.3 x 25.4 x 9.5 cm)
Weight:	2.9 lbs. (1.32 kg)
Safety rating:	UL, CSA, CE

Note: The Micro 100 meets performance criteria specified by USEPA method 180.1 for NTU measurement and ISO7027 (IR version).

Ordering Information

Cat. No.	Description
20001	Micro 100 Laboratory Turbidimeter, 120 VAC
19950	Micro 100 Laboratory Turbidimeter, 100 -240 VAC
19952	Micro 100 IR Laboratory Turbidimeter, 100 - 240 VAC

All units include a set of PRIMEIME Calibration Standards (0.02, 10, and 1,000 NTU), two measuring cuvettes with light shield caps, operator's manual, and plug-in power adapter.

Accessories

Cat. No.	Description
19975	Pour Through Assembly
29957	PRIMEIME Calibration Set, (0.02, 10, & 1000 NTU)
50051	Cuvettes, 28 x 70mm, 3 pack
50052	Cuvettes, 28 x 70mm, 10 pack
50040	Formazin Stock Solution Kit

Standard Features

- **Auto Ranging 0 - 1000 NTU**
Instrument senses turbidity level of sample and automatically adjusts to the appropriate measurement.
- **Auto Alert Calibration Prompt**
Automatically prompts the operator when calibration of the instrument is needed.
- **Simple Calibration Procedures**
Calibration initiated with the push of a button ensures accurate readings.
- **RS-232 Output**
Date, time and NTU reading can be captured with a serial printer or data recorder.

Optional Features

- **Infrared Light Source Micro 100 IR**
Meets international standard ISO 7027 for turbidity measurement.
- **Pour Through Assembly**
Save time by pouring your grab sample through the measurement chamber.
- **Reusable PRIMEIME Calibration Standards**
Quick and easy calibration across all ranges without the need to mix Formazin.



Optional Pour Through Assembly

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